

FORM PTO-1390  
(REV 10-94)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

14633.SUSWO

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

Unknown

**10/516638**

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/JP02/11785	12 November 2002	6 June 2002

## TITLE OF INVENTION

A METHOD FOR DEUTERATION OF AN INERT METHYLENE (AS AMENDED)

## APPLICANT(S) FOR DO/EO/US

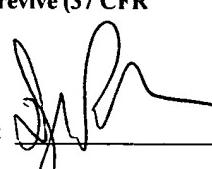
HIROTA et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1.  This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2.  This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3.  This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(l).
4.  A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5.  A copy of the International Application as filed (35 U.S.C. 371(c)(2))
  - a.  is transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  has been transmitted by the International Bureau.
  - c.  is not required, as the application was filed in the United States Receiving Office (RO/US)
6.  A translation of the International Application into English (35 U.S.C. 371(c)(2)).
7.  Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
  - a.  are transmitted herewith (required only if not transmitted by the International Bureau).
  - b.  have been transmitted by the International Bureau.
  - c.  have not been made; however, the time limit for making such amendments has NOT expired.
  - d.  have not been made and will not be made.
8.  A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9.  An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10.  A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

## Items 11. to 16. below concern document(s) or information included:

11.  An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12.  An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13.  A **FIRST** preliminary amendment.  
 A **SECOND** or **SUBSEQUENT** preliminary amendment.
14.  A substitute specification.
15.  A change of power of attorney and/or address letter.
16.  Other items or information: International Publication Page, Form 1449, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308 , Communication under 37 CFR 1.32(c)(3)

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER		
Unknown <b>10/516638</b>	PCT/JP02/11785	14633.5USWO		
17. [X] The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>		
<b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>				
Search Report has been prepared by the EPO or JPO..... \$950.00				
International preliminary examination fee paid to USPTO (37 CFR 1.492(a)(1))..... \$750.00				
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$790.00				
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(3)) paid to USPTO.....\$1100.00				
International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$100.00				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		\$950.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).		\$		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total claims	8	-20 = 0	X \$18.00	\$0.00
Independent claims	2	-3 = 0	X \$88.00	\$0.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)		+ \$300.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>		\$950.00		
Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27		\$		
<b>SUBTOTAL =</b>		\$950.00		
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).		+ \$		
<b>TOTAL NATIONAL FEE =</b>		\$950.00		
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property		+ \$		
<b>TOTAL FEES ENCLOSED =</b>		\$950.00		
		Amount to be: refunded	\$	
		charged	\$	
<p>a. [X] Check(s) in the amount of <u>\$950.00</u> and <u>\$40.00</u> to cover the above fees is enclosed.</p> <p>b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2725</u>.</p>				
<p><b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>				
SEND ALL CORRESPONDENCE TO: Douglas P. Mueller MERCHANT & GOULD P.O. Box 2903 Minneapolis, MN 55402-0903				
SIGNATURE:  NAME: Douglas P. Mueller				
REGISTRATION NUMBER: 30,300				

10/516638

DT15 Rec'd PCT/PTO 02 DEC 2004

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: HIROTA et al.

Docket: 14633.5USWO

Title: A METHOD FOR DEUTERATION OF AN INERT METHYLENE (AS AMENDED)

## CERTIFICATE UNDER 37 CFR 1.10

'Express Mail' mailing label number: EV131997558US

Date of Deposit: 15 November 2004

I hereby certify that this paper or fee is being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



By:  
Name: David Ortiz

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached:

- Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- National Stage PCT Patent Application: Spec. 19 pgs; 8 claims; Abstract 1 pgs.  
The fee has been calculated as shown below in the 'Claims as Filed' table.
- A signed Combined Declaration and Power of Attorney
- Assignment of the invention to Wako Pure Chemical Industries, Ltd., Recordation Form Cover Sheet
- A check in the amount of \$950.00 to cover the Filing Fee
- A check for \$40.00 to cover the Assignment Recording Fee.
- Information Disclosure Statement, Form 1449, 3 reference(s).
- Application Data Sheet, 4 pages.
- Other: International Publication Page, Courtesy Copy of PCt/JP02/11785 in Japanese, Form PCT/ISA/210, Form PCT/IB/304, Form PCT/IB/308, Preliminary Amendment, Communication under 37 CFR 1.32(c)(3), Form PTO-1390
- Return postcard

## CLAIMS AS FILED

Number of Claims Filed	In Excess of:	Number Extra	Rate	Fee
<b>Basic Filing Fee</b>				\$950.00.00
<b>Total Claims</b>				
8	-	20	= 0 x 18.00 =	\$0.00
<b>Independent Claims</b>				
2	-	3	= 0 x 88.00 =	\$0.00
<b>MULTIPLE DEPENDENT CLAIM FEE</b>				\$0.00
<b>TOTAL FILING FEE</b>				\$950.00

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

MERCHANT & GOULD P.C.  
P.O. Box 2903, Minneapolis, MN 55402-0903  
(612) 332-5300

By:   
Name: Douglas P. Mueller  
Reg. No.: 30,300  
Initials: DPM:hjm

23552

PATENT TRADEMARK OFFICE

RECEIVED  
DEC - 2 2004  
OPIE/JCWS

(PTO TRANSMITTAL - NEW FILING)